

WHAT IS CLAIMED IS:

1. A multi-layered container, comprising:
a layer of a formable polymer; and
a layer of a composition comprising a blend of (i) a polyethylene terephthalate material and (ii) a polyamide material, wherein the container has superior layer-to-layer lamination strength.
2. The container of claim 1, wherein the polyethylene terephthalate comprises at least about 1% by weight of the blend.
3. The container of claim 1, wherein the polyethylene terephthalate comprises about 1-10% by weight of the blend.
4. The container of claim 1, wherein the polyethylene terephthalate comprises about 10% by weight of the blend.
5. The container of claim 1, wherein the formable polymer comprises a formable polyester.
6. The container of claim 5, wherein the formable polyester is a polyester selected from the group consisting of PET and recycled PET.
7. The container of claim 1, wherein the polyamide comprises MXD6.
8. A preform for expansion into a hollow plastic container body, the preform having a multilayered body-forming portion including:
a blend layer comprising: a formable polyester and a polyamide material; and
at least one adjacent layer of a formable polymer composition.
9. The preform of claim 8, wherein the formable polymer comprises a formable polyester.
10. The preform of claim 9, wherein the formable polyester is a polyester selected from the group consisting of PET and recycled PET.
11. The preform of claim 9, wherein the formable polymer composition comprises polyethylene terephthalate.
12. The preform of claim 8, wherein the preform has been expanded into a hollow plastic container body.

13. The preform of claim 8, wherein the blend comprises at least about 1% by weight of polyethylene terephthalate.

14. The preform of claim 8, wherein the blend comprises about 1-10% by weight of polyethylene terephthalate.

15. The preform of claim 8, wherein the blend comprises about 10% by weight of polyethylene terephthalate.

16. The preform of claim 8, wherein the polyamide comprises MXD6.

17. A method of producing a container having a multilayered wall, comprising the steps of: providing a blend comprising: a formable polyester and a polyamide material;
providing a formable polymer;
injecting the blend to form a preform;
injecting a layer of the formable polymer against the preform; and
heating and expanding the preform to form a container.

18. The method of claim 17, wherein the formable polymer comprises a formable polyester.

19. The method of claim 18, wherein the formable polyester is a polyester selected from the group consisting of PET and recycled PET.

20. The method of claim 18, wherein the formable polymer composition comprises polyethylene terephthalate.

21. The method of claim 17, wherein the blend comprises at least about 1% by weight of polyethylene terephthalate.

22. The method of claim 17, wherein the blend comprises about 1-10% by weight of polyethylene terephthalate.

23. The method of claim 17, wherein the blend comprises about 10% by weight of polyethylene terephthalate.

24. The method of claim 17, wherein the polyamide comprises MXD6.

25. A method of producing a container having a multilayered wall, comprising the steps of: providing a blend comprising: a formable polyester and a polyamide material;
providing a formable polymer;
injecting a layer of the formable polymer to form a preform;

injecting the blend against the preform; and
heating and expanding the preform to form a container.